

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. PATENT NO. 7,180,892)	
)	
ISSUED: February 20, 2007)	<u>Electronically filed April 9, 2007</u>
)	
INVENTOR:)	
)	
Onur Tackin; Scott Branden)	
)	
ASSIGNEE:)	
)	
Broadcom Corporation)	
)	
APPLICATION SER. NO. 09/654,376)	
)	
FILED: September 1, 2000)	
)	
FOR: VOICE AND DATA EXCHANGE OVER)	
A PACKET BASED NETWORK WITH)	
VOICE DETECTION)	
)	
CONFIRMATION NO.: 6658)	
)	

REQUEST FOR CERTIFICATE OF CORRECTION UNDER §1.322(a)

Commissioner for Patents

Sir:

Pursuant to 37 CFR §1.322(a), Applicants hereby request a Certificate of Correction to be issued for the above-identified U.S. Patent correcting the patent as

noted in the attached "Certificate of Correction" form PTO/SB/44 (04-05). Issuance of the Certificate of Correction is necessary in order to correct errors made by the U.S. Patent and Trademark Office ("PTO").

Specifically, the errors that need to be corrected are as follows:


Page one, under "Inventor," after the name "Onur Tackin, Vancouver (CA)," insert -- Scott Branden, Vancouver (CA) --.

Inventor Scott Branden was omitted as an inventor. An executed Declaration was filed December 22, 2000 listing Onur Tackin and Scott Branden as inventors. Because the Declaration submitted with the application as filed was unsigned, no further documents were required to establish Tackin and Branden as inventors beyond the executed declaration filed December 22, 2000. A copy of this document is enclosed.

Because this error was made by the PTO, Applicants believe no additional fees are due, but in the event that any additional fees are required for the filing of this request, the Commissioner is authorized to charge Deposit Account No. 13-0017, in the name of McAndrews, Held & Malloy, Ltd.

Respectfully submitted,

Dated: April 9, 2007


Kevin E. Borg
Registration No. 51,486

McANDREWS, HELD & MALLOY, LTD.
500 West Madison Street, 34th Floor
Chicago, Illinois 60661
Telephone: (312) 775-8000
Facsimile: (312) 775-8100

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,180,892

APPLICATION NO.: 09/654,376

ISSUE DATE : February 20, 2007

INVENTOR(S) : Onur Tackin

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On page one of the patent, under "Inventor," after the name "Onur Tackin, Vancouver (CA)," insert -- Scott Branden, Vancouver (CA) --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATIONS

PATENT

Docket No. : 36794/CAG/B600

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **VOICE AND DATA EXCHANGE OVER A PACKET BASED NETWORK WITH VOICE DETECTION**, the specification of which is attached hereto unless the following is checked:

 x was filed on September 1, 2000 as United States Application Number 09/654,376 or PCT International Application Number and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
---------------------------	----------------	-------------------------------------	-------------------------

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
60/154,903	September 20, 1999
60/156,266	September 27, 1999
60/157,470	October 1, 1999
60/160,124	October 18, 1999
60/161,152	October 22, 1999
60/162,315	October 28, 1999
60/163,169	November 2, 1999
60/163,170	November 2, 1999
60/163,600	November 4, 1999
60/164,379	November 9, 1999
60/164,690	November 10, 1999
60/164,689	November 10, 1999
60/166,289	November 18, 1999
60/171,203	December 15, 1999
60/171,180	December 16, 1999
60/171,169	December 16, 1999
60/171,184	December 16, 1999
60/178,258	January 25, 2000

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATIONS**

Docket No. 36794/CAG/B600

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
09/522,185	March 9, 2000	Pending
09/454,219	December 9, 1999	Pending

POWER OF ATTORNEY: I hereby appoint the following attorneys and agents of the law firm CHRISTIE, PARKER & HALE, LLP to prosecute this application and any international application under the Patent Cooperation Treaty based on it and to transact all business in the U.S. Patent and Trademark Office connected with either of them in accordance with instructions from the assignee of the entire interest in this application; or from the first or sole inventor named below in the event the application is not assigned; or from __ in the event the power granted herein is for an application filed on behalf of a foreign attorney or agent.

R. W. Johnston	(17,968)	Grant T. Langton	(39,739)	Jun-Young E. Jeon	(43,693)
D. Bruce Prout	(20,958)	Constantine Marantidis	(39,759)	Marc A. Karish	(44,816)
Hayden A. Carney	(22,653)	Daniel R. Kimbell	(34,849)	John F. O'Rourke	(38,985)
Richard J. Ward, Jr.	(24,187)	Craig A. Gelfound	(41,032)	Richard J. Paciulan	(28,248)
Russell R. Palmer, Jr.	(22,994)	Syed A. Hasan	(41,057)	Josephine E. Chang	(46,083)
LeRoy T. Rahn	(20,356)	Kathleen M. Olster	(42,052)	Frank L. Cire	(42,419)
Richard D. Seibel	(22,134)	Daniel M. Cavanagh	(41,661)	Harold E. Wurst	(22,183)
Walter G. Maxwell	(25,355)	Molly A. Holman	(40,022)	Robert A. Green	(28,301)
William P. Christie	(29,371)	Lucinda G. Auciello	(42,270)	Derrick W. Reed	(40,138)
David A. Dillard	(30,831)	Norman E. Carte	(30,455)	John W. Peck	(44,284)
Thomas J. Daly	(32,213)	Joel A. Kauth	(41,886)	Stephen D. Burbach	(40,285)
Vincent G. Gioia	(19,959)	Patrick Y. Ikehara	(42,681)	David B. Sandelands, Jr.	(46,023)
Edward R. Schwartz	(31,135)	Mark Garscia	(31,953)	Heidi L. Eisenhut	(P-46,812)
John D. Carpenter	(34,133)	Gary J. Nelson	(44,257)	Nicholas J. Pauley	(44,999)
David A. Plumley	(37,208)	Raymond R. Tabandeh	(43,945)	Mark J. Marcelli	(36,593)
Wesley W. Monroe	(39,778)	Phuong-Quan Hoang	(41,839)		
Gregory S. Lampert	(35,581)	Cynthia A. Bonner	(44,548)		

The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

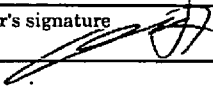
DIRECT TELEPHONE CALLS TO : Craig A. Gelfound, 626/795-9900
SEND CORRESPONDENCE TO : CHRISTIE, PARKER & HALE, LLP
P.O. Box 7068, Pasadena, CA 91109-7068

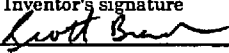
I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATIONS**

Docket No. 36794/CAG/B600

1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor Onur Tackin	Inventor's signature 	Date
Residence and Post Office Address Vancouver, B.C. Canada		Citizenship TURKISH

Full name of sole or second joint inventor Scott Branden	Inventor's signature 	Date Nov. 17 / 2000
Residence and Post Office Address Vancouver, B.C. Canada 11345 133A St. V3R 2Y8		Citizenship Canadian

EJ PAS271230.1*-11/10/00 7:55 AM



US007180892B1

(12) **United States Patent**
Tackin

(10) **Patent No.:** **US 7,180,892 B1**
(45) **Date of Patent:** **Feb. 20, 2007**

(54) **VOICE AND DATA EXCHANGE OVER A
PACKET BASED NETWORK WITH VOICE
DETECTION**

(75) Inventor: **Onur Tackin**, Vancouver (CA)

(73) Assignee: **Broadcom Corporation**, Irvine, CA
(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 943 days.

(21) Appl. No.: **09/654,376**

(22) Filed: **Sep. 1, 2000**

Related U.S. Application Data

(63) Continuation of application No. 09/522,185, filed on
Mar. 9, 2000, which is a continuation-in-part of
application No. 09/454,219, filed on Dec. 9, 1999,
now Pat. No. 6,882,711.

(60) Provisional application No. 60/154,903, filed on Sep.
20, 1999, provisional application No. 60/156,266,
filed on Sep. 27, 1999, provisional application No.
60/157,470, filed on Oct. 1, 1999, provisional appli-
cation No. 60/160,124, filed on Oct. 18, 1999, pro-
visional application No. 60/161,152, filed on Oct. 22,
1999, provisional application No. 60/162,315, filed
on Oct. 28, 1999, provisional application No. 60/163,
169, filed on Nov. 2, 1999, provisional application
No. 60/163,170, filed on Nov. 2, 1999, provisional
application No. 60/163,600, filed on Nov. 4, 1999,
provisional application No. 60/164,379, filed on Nov.
9, 1999, provisional application No. 60/164,690, filed
on Nov. 10, 1999, provisional application No. 60/164,
689, filed on Nov. 10, 1999, provisional application
No. 60/166,289, filed on Nov. 18, 1999, provisional
application No. 60/171,203, filed on Dec. 15, 1999,
provisional application No. 60/171,180, filed on Dec.
16, 1999, provisional application No. 60/171,169,
filed on Dec. 16, 1999, provisional application No.
60/171,184, filed on Dec. 16, 1999, provisional appli-
cation No. 60/178,258, filed on Jan. 25, 2000.

(51) **Int. Cl.**
H04L 12/56 (2006.01)

(52) **U.S. Cl.** 370/389; 704/214; 704/246

(58) **Field of Classification Search** 704/200,
704/201, 205, 207, 208, 211, 212, 213, 214,
704/216, 217, 246; 370/389, 352, 356, 401
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,282,406 A * 8/1981 Yato et al. 704/207

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO 97/36753 A1 7/1997

WO WO 97/28628 8/1997

OTHER PUBLICATIONS

Panos E. Papamichalis, Practical Approaches To Speech Coding,
phamplet, 1992, Texas Instruments, Inc., Rice University, pp. 163-
167.

(Continued)

Primary Examiner—Derrick Ferris

(74) *Attorney, Agent, or Firm*—McAndrews, Held &
Malloy, Ltd.

(57)

ABSTRACT

A signal processing system which discriminates between
voice signals and data signals modulated by a voiceband
carrier. The signal processing system includes a voice
exchange, a data exchange and a call discriminator. The
voice exchange is capable of exchanging voice signals
between a switched circuit network and a packet based
network. The signal processing system also includes a data
exchange capable of exchanging data signals modulated by
a voiceband carrier on the switched circuit network with
unmodulated data signal packets on the packet based net-
work. The data exchange is performed by demodulating data
signals from the switched circuit network for transmission
on the packet based network, and modulating data signal
packets from the packet based network for transmission on
the switched circuit network. The call discriminator is used
to selectively enable the voice exchange and data exchange.

74 Claims, 35 Drawing Sheets

